AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently amended) A collecting system for collecting operational information on a closed system comprising at least one of the following components configured to be monitored:

- a processor

- a memory

- peripheral equipment

- an interface logic,

wherein the collecting system further comprises:

at least one instrument, each respectively to be functionally connected only to a single one of the monitorable components of the closed system, wherein each of the at least one instruments is configured to collect operational information on its respective single one of the monitorable components of the closed system, and

a data collector comprising at least one register and being configured to receive operational information ~~collected~~ retrieved by the at least one instrument, the register being configured to store said operational information.

2. (Original) A collecting system as claimed in claim 1, wherein the collecting system also comprises at least one analyzing module configured to receive the operational information of said at least one component from the data collector and to determine the performance and/or power consumption of the closed system on the basis of the received operational information of the at least one component.

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3. (Original) A collecting system as claimed in claim 2, wherein
the collecting system also comprises at least one controlling module comprising at least one
control algorithm and being functionally connected to the analyzing module and configured
to adjust the performance and/or power consumption of said closed system in response to
analysis information received from the analyzing module.

4. (Original) A collecting system as claimed in claim 1, wherein
at least one of the following components is configured to be connected as part of the closed
system:
- the instrument
- the data collector
- the analyzing module
- the controlling module.

5. (Original) A collecting system as claimed claim 1, wherein
said instrument is a conductor between the component being monitored and the data
collector.

6. (Original) A collecting system as claimed in claim 1, wherein
said instrument is configured to store said operational information.

7. (Original) A collecting system as claimed in claim 1, wherein
said data collector is configured to receive the operational information of one or more
components being monitored in the closed system.

8. (Original) A collecting system as claimed in claim 2, wherein
the operation of the analyzing module and/or controlling module is programmable at run
time.

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9. (Original) A collecting system as claimed in claim 1, wherein the closed system is one of the following:

      - ASIC (application-specific integrated circuit)

      - FPGA (field programmable gate array) circuit.

10. (Currently amended) A method for collecting operational information on a closed system comprising at least one of the following components configured to be monitored:

      - a processor

      - a memory

      - peripheral equipment

      - an interface logic,

      comprising

      collecting operational information on at least one monitorable component of the closed system by means of at least one instrument respectively connected functionally to the at least one monitorable component, wherein each of the at least one instruments ~~collects~~ retrieves operational information from a single respective one of the at least one monitorable components,

      transmitting at least part of said operational information from the at least one instrument to a data collector, and

      storing at least part of said operational information in at least one register in the data collector.

11. (Original) A method as claimed in claim 10, comprising determining the performance and/or power consumption of the closed system in an analyzing module connected functionally to the data collector on the basis of the received operational information of at least one component.

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12. (Original) A method as claimed in claim 11, wherein

a controlling module is functionally connected to said analyzing module, whereby the performance and/or power consumption of said closed system is adjusted in response to the analysis information received from the analyzing module.

13. (Original) A method as claimed in claim 10, comprising

storing said operational information in said instrument.

14. (Original) A method as claimed in claim 10, comprising

receiving at one data collector the operational information of one or more components of the closed system.

15. (Original) A method as claimed in claim 11, comprising

programming the operation of the analyzing module and/or controlling module at run time.

16. (Currently amended) An electronic device comprising a closed system that comprises at least one of the following components configured to be monitored:

- a processor

- a memory

- peripheral equipment

- an interface logic,

wherein the electronic device further comprises:

an instrument functionally connected to a single one of the at least one monitorable components of the closed system and configured to collect operational information on the single component to which it is functionally connected, and

a data collector comprising at least one register and configured to receive the operational information ~~collected~~ retrieved by said instrument, the register being configured to store said operational information.

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17. (Original)   An electronic device as claimed in claim 16, wherein
the electronic device further comprises at least one analyzing module configured to receive
from the data collector the operational information of said at least one component and to
determine the performance and/or power consumption of the closed system on the basis of
the received operational information of the at least one component.

18. (Original)   An electronic device as claimed in claim 17, wherein
the electronic device also comprises a controlling module comprising at least one control
algorithm and being functionally connected to the analyzing module and configured to
adjust the performance and/or power consumption of said closed system in response to
analysis information received from the analyzing module.

19. (Original)   An electronic device as claimed in claim 16, wherein
the electronic device is one of the following:
     - a mobile station
     - a computer
     - a television.

20. (Currently amended)   A software product adaptable to an electronic device, wherein
the software product comprises:
     a software code for collecting operational information on a respective particular one
of at least one monitorable component of a closed system in the electronic device; wherein
the software code for collecting operational information ~~collects~~ retrieves the operational
information only of the particular one of the monitorable components to which it is
associated, and
     a software code for receiving and storing said operational information.

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21. (Original) A software product as claimed in claim 20, wherein the software product also comprises at least one of the following:

    - a software code for determining the performance and/or power consumption of the closed system on the basis of the received operational information of at least one component,

    - a software code for adjusting the performance and/or power consumption of the closed system in response to analysis information received from an analyzing module of the electronic device,

    - a software code for programming the operation of the analyzing module at run time,

    - a software code for programming the operation of a controlling module functionally connected to the analyzing module at run time.

22. (New) A collecting system as claimed in claim 1, wherein each of the at least one instrument is integral to its respective single one of the monitorable components.

23. (New) A collecting system as claimed in claim 1, wherein the collecting system comprises a plurality of the instruments and a plurality of the monitorable components, each of the plurality of instruments respectively to be functionally connected only to one of the plurality of monitorable components.

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